

# Digiview Color Changing Projection Clock

(PCR19W)  
USER MANUAL

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DIGIVIEW PCR19W MANUAL (ENG)  
SIZE: W65 X H105 (mm)  
BY WING TSUI 08/05/07

## INTRODUCTION

Thank you for selecting the Digiview Color Changing Projection Clock. This device delivers a precise time keeping with projecting in color the time and temperature onto the wall or the ceiling.

In this package you will find:

- One Color Changing Projection Clock
- One AC adapter
- One User Manual
- One Quick Start Guide

Please keep this manual handy as you use your new item. It contains practical step-by-step instructions, as well as technical specifications and precautions you should know.

## ABOUT HIDEKI ELECTRONICS

Visit our website ([www.digiviewtime.com](http://www.digiviewtime.com)) to learn more about other Hideki Electronics products such as precise projection time pieces, environmental products and weather monitoring devices. The website also includes important information about an extended warranty program and other useful facts.

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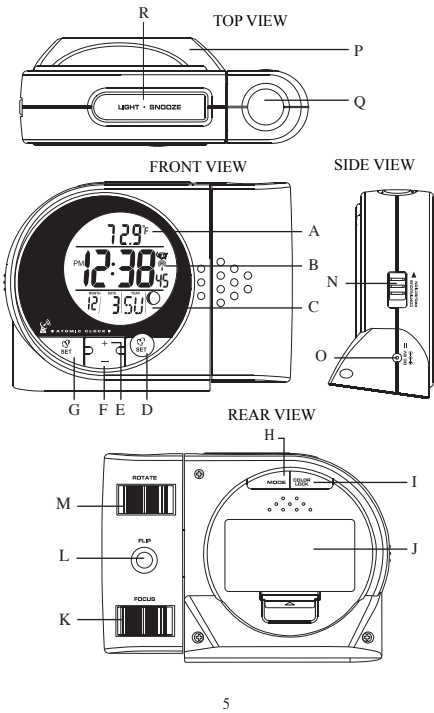
## PRODUCT OVERVIEW

### FEATURES

- Precise time and date set via RF signals from the US Atomic Clock
- Calendar displaying date with month and day in English, Spanish or French
- 12 or 24 hour time format
- Dual crescendo time alarm with programmable snooze
- Moon Phase calendar
- Indoor temperature
- Temperature unit selection in Fahrenheit or Celsius
- Projects time and temperature on ceiling or wall either in one or several different colors
- Focus adjustment
- Control image with 180° rotation or flip
- EL backlight
- AC/DC adapter included for continuous projection

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## FRONT VIEW



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## FRONT VIEW

### A. TEMPERATURE AND ALARM WINDOW

Displays indoor temperature and alarms

### B. TIME WINDOW

Displays time with seconds and US map

### C. CALENDAR WINDOW

Displays month, date, day of the week abbreviation/year and a moon phase

### D. SET button

- Allows programming ALARM 2 and its snooze interval
- Activates or deactivates ALARM 2

### E. UP (+) button

- Increases all function parameters
- Allows toggling between 12 and 24 hour time format
- Activates US Time Zone selection

### F. DOWN (-) button

- Decreases all function parameters
- Activates the atomic time signal reception
- Activates a language selection mode for the day of the week

### G. SET button

- Allows programming ALARM 1 and its snooze interval
- Activates or deactivates ALARM 1

## REAR VIEW

### H. MODE button

- Activates the clock programming mode
- Allows toggling between temperature and two alarm modes

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### I. CLOCK COLOR button

Allows selecting the color of the projection and the backlight

### J. BATTERY COMPARTMENT

Accommodates 2 (two) UM-3 or AA 1.5V alkaline batteries

### K. FOCUS knob

Allows adjusting the projected image sharpness

### L. FLIP button

- Flips the projected image 180° degrees
- Activates a rotation between projected time and indoor temperature

### M. ROTATE knob

Allows rotating of the projected image clockwise or anticlockwise

## SIDE/TOP VIEW

### N. CONTINUOUS PROJECTION switch

Activates a continuous projection of the time or indoor temperature

### O. AC ADAPTER INPUT

Allows connecting clock with the power outlet through the AC adapter provided

### P. BUILT-IN TABLE STAND

Supports clock in a vertical position on the flat surface

### Q. TIME/TEMPERATURE PROJECTOR

Projects current time or indoor temperature

### R. LIGHT/SNOOZE button

Activates LED backlight and snooze

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## BEFORE YOU BEGIN

- We recommend using alkaline batteries
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements).
- Insert batteries before first use, matching the polarity in the battery compartment
- Remove protective plastic screen from LCD display (if any)

**NOTE: The Color Changing Projection Clock does not work without the batteries.**

## BATTERY INSTALLATION

- Open the battery compartment door
- Install 2 batteries (UM-3 or "AA" size 1.5V) matching the polarity as shown in the battery compartment.
- Replace the battery compartment door.

## WWVB RADIO CONTROLLED TIME

The **NIST** (National Institute of Standards and Technology) radio station (**WWVB**) is located in Ft. Collins, Colorado. It transmits an exact time signal continuously throughout the most of the continental United States at 60 KHz frequency. The Color Changing Projection Clock can receive this **WWVB** signal through the internal antenna from up to 2,000 miles away. Due to the nature of the Earth's ionosphere, reception can be limited during the daylight hours. The radio controlled clock will search for an alternate station that receives the atomic time signal from the **NIST** Atomic clock in Boulder, Colorado.

The **WWVB** tower icon on the unit's display will flash indicating a radio signal reception from the **WWVB**

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station. If the tower icon is not fully lit, or if the time and date are not set automatically, please consider the following:

- During night-time hours, atmospheric disturbances are typically less severe and radio signal reception may improve. A single daily reception is sufficient enough to keep the clock accuracy within 1 second.
- Make sure the unit is positioned at 8 feet (2 meters) distance from any interference source such as a TV, computer monitor, microwave, etc.

Within concrete wall rooms such as basements or office buildings, the received signal may be weakened. Always place the Color Changing Projection Clock near the window for better reception.

#### ATOMIC CLOCK

Immediately after batteries installation, the clock will beep and display all available LCD segments for a moment.

Immediately after the atomic time signal receiver will start searching for the atomic time signal. It usually takes between 5-8 minutes.

**NOTE: Do not press any buttons on the unit during auto search as it may interrupt product's operation, and you will need to start the set up procedure again.**

If the reception is successful and the atomic time signal is received, the date and time will be set automatically, and the [📶] icon will appear on the display.

**NOTE: It is necessary to set your Time Zone, having in mind that the default zone is a Pacific Standard Time (PST).** (Refer to a **MANUAL SETTINGS** section)

If the initial reception was not successful and the time signal has not been received in this first 8 minutes, you may use the **MODE** button to set the time and date manually. (Refer to the **MANUAL SETTINGS** section). After the clock is set manually, place it by the window for the better reception. The atomic time receiver is programmed that it will continue to search for the atomic time signal daily for every hour between 1:00 am and 4:30 am.

**NOTE: At the time of the initial reception allow at least 24 hours for the atomic time receiver to pick up the signal. In some cases, depending on the location, it may take up to 72 hours.**

Once the time signal has been successfully received, the time and the date will be updated automatically.

#### TEMPERATURE AND ALARM WINDOW

The **Temperature and Alarm Window** displays an indoor temperature and the time alarms.

#### TIME AND CALENDAR WINDOWS

The Color Changing Projection Clock displays time in an **hour-minutes-seconds** format in the **Time Window** located below the **Temperature and Alarm Window**. The date is displayed in **month-date** format next to the day of the week and moon phase icon in the **Calendar Window**.

#### MANUAL SETTINGS

If desired, the time, date and other available parameters can be programmed manually.

It is necessary to set your Time Zone manually.

#### TIME ZONE

- Enter the US Time Zone programming mode by pressing and holding the **UP (+)** button for 3 seconds.
- Keep holding **UP (+)** button until the desired time zone (Pacific, Mountain, Central or Eastern) is highlighted on the unit's display map in the **Time Window**
- Release the **UP (+)** button and the desired Time Zone will be selected

#### CLOCK

- Press and hold **MODE** button for 3 seconds until the **year** digits in the **Calendar Window** will flash
- Press **UP (+)** or **DOWN (-)** adjusting a correct year
- Press **MODE** to confirm and move to the next parameter – the month digit will flash
- Press **UP (+)** or **DOWN (-)** adjusting the current **month** and then press **MODE** to confirm – the date digit will flash

- Press **UP (+)** or **DOWN (-)** adjusting the date and then press **MODE** to confirm – the hour digit will flash in the **Time Window**
- Press **UP (+)** or **DOWN (-)** adjusting the hour and then press **MODE** to confirm – the **minutes** will flash
- Press **UP (+)** or **DOWN (-)** adjusting the minutes and then press **MODE** to confirm – the temperature in the **Temperature and Alarm Window** will flash
- Press **UP (+)** or **DOWN (-)** selecting the temperature unit in Fahrenheit or Celsius
- Press **MODE** for the last time to confirm after the last parameter is set

#### DAY OF THE WEEK LANGUAGE

- Press and hold **DOWN (-)** button for 3 seconds to enter into the day of the week language programming mode: the default language abbreviation will appear (example – **EN**)
- Continue holding **DOWN (-)** button until the desired day of the week language abbreviation is displayed
- Release the **DOWN (-)** button and the day of the week will be displayed in selected language

#### ALARMS

The Color Changing Projection Clock has two time alarms. If any of the alarms is activated, it will sound at the set time and the alarm icon will flash.

### PROGRAMMING THE TIMES OF THE ALARMS

- Press **MODE** button to view the **ALARM 1** or **ALARM 2** modes. If the **ALARM 1** is selected, the default time "6:00" with the **ALARM 1** label will be displayed. If the **ALARM 2** is selected, the default time "8:00" with the **ALARM 1** label will be displayed
- Press and hold **☞** or two seconds - the hour digit will flash
- Enter the hour using **DOWN (-)** or **UP (+)** buttons
- Press **☞** button - the minute digits will flash
- Enter the minutes using **DOWN (-)** or **UP (+)** buttons
- Press **☞** button again. The minute digits for snooze interval will flash
- Enter the desired interval in minutes (from 1 to 59) using **DOWN (-)** or **UP (+)** buttons
- Press **☞** button confirming the **ALARM 1** time is set.
- Use the same procedure for setting the time for **ALARM 2**

### ACTIVATING OR DEACTIVATING THE ALARMS

- At any time press **☞** or **☞** to activate or deactivate applicable alarm
- When **ALARM 1** and **ALARM 2** are disabled, an applicable icon **☞** or **☞** disappears from the unit's display.

### SNOOZE

When any alarm sounds, press the **SNOOZE/LIGHT** button to temporarily stop the alarm. After the **SNOOZE / LIGHT** button are depressed, the alarm sound will resume in the programmed snooze period.

If the alarm is not disabled after that, it will sound for four more minutes and then will stop by itself.

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### PROJECTION

The Color Changing Projection Clock is capable of projecting the information for a limited time, as well as continuously.

### LIMITED TIME PROJECTION

- Press **SNOOZE/LIGHT** button once to project the current time image for five seconds.

12:38

- Press **FLIP** button to rotate projected image 180° clockwise

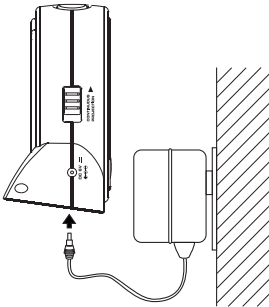
8E:21

- Press and hold **FLIP** button for 2 seconds again and the projected image will rotate between the **time** and **indoor** temperature information every 5 seconds

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### CONTINUOUS TIME AND TEMPERATURE PROJECTION

- Connect AC/DC adapter provided to the AC adapter input to project the time and/or temperature image continuously.



- Slide the **CONTINUE PROJECTION** switch to the arrow direction shown on the unit's side: the current time will be projected on the wall or the ceiling continuously.

### PROJECTING IMAGES IN DEFFERENT COLORS

Your Color Changing Projection Clock designed with an ability of changing the projected image and the display backlight color.

**NOTE: This feature can be activated only if an AC adapter is connected (Continues Time and/or Temperature Projection mode).**

There are two options available – projection and backlight

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with continuous color change and a projection and backlight in only one selected color.

The default option is continuous color change.

### BACKLIGHT

There are two different options of using a backlight in the Color Changing Projection Clock:

- When the AC adapter is not connected, the backlight feature is activated in **blue** color for 5 seconds when the **LIGHT/SNOOZE** button is pressed.
- When the AC adapter is connected and **CONTINUE PROJECTION** switch is in **ON** position, the backlight color will change along with the color of the projected image

### PRECAUTIONS

This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:

- Do not immerse the unit in water.
- Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
- Do not subject the product to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
- Do not tamper with the unit's internal components. Doing so will invalidate the warranty and may cause damage. The unit contains no user-serviceable parts.
- Use only fresh batteries. Do not mix new and old batteries.
- Read the user's manual thoroughly before operating the unit.

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## TROUBLESHOOTING

Check here before contacting customer service.

Issue	Symptom	Solution
Clock	US Atomic Time signal is not received	Place unit by the window and keep it there at least overnight
Clock	Blank display	Check batteries
	Does not project continuously	Slide the <b>CONTINUE PROJECTION</b> switch to the <b>ON</b> position Connect the clock to the wall power outlet using AC adapter provided

## SPECIFICATIONS

### *Time*

12/24 hour display in hh: mm format

Date format: month – day

User-selectable US Time Zone

Day of the week: User-selectable in three languages-

English, Spanish or French

Dual 4 minutes crescendo alarm with programmable snooze

### *Weather*

#### Indoor Temperature

Proposed operating range: -5.0°C to +50.0°C/23.0°F to 122.0°F

Temperature resolution: 0.1°C/0.2°F

User-selectable (°F or °C ) temperature display

LED backlight: 5 seconds on battery power

Low battery indicator

### *Projection*

Focus adjustment

180° projected image rotation and flip

Projection and backlight colors: Blue, Red and Green

### *Power*

2 AA size (UM-3) 1.5V batteries (not included)

AC/DC adapter - 6V, 120mA (included)

### *Dimensions*

5(L) x 3.58(H) x 1.77(D) inches

## STANDARD WARRANTY INFORMATION

This product is warranted from manufacturing defects for one year from the date of retail purchase. It does not cover damages or wear resulting from accident, misuse, abuse, commercial use, or unauthorized adjustment and repair. Note that online product registration is required to ensure valid warranty protection.

To register your product, go to our Company website at: [www.digiviewtime.com](http://www.digiviewtime.com). Click Online Product Registration under the Customer Service menu.

Should you require assistance with this product and its operation, please contact our Customer Service Hotline 1(866) 443 3543.

Please direct all returns to the place of the original purchase. Should this not be possible, contact Hideki Customer Service Hotline for assistance and to obtain a Return Merchandise Authorization (RMA). Returns without a return authorization will be refused. Please retain your original receipt as you may be asked to provide a copy for proof of purchase.

Hideki Electronics, Inc. reserves the right to repair or replace the product at our option.

All user manual contents and information are subject to change.

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